

coupled to the ball pivot 62, wherein the ball center 72 is simultaneously the center of the articulation.

In Fig. 2 the eccentric ball pivot 60 is directed toward the inside of the motor vehicle. Alternatively, it can also point to the outside. In just the same way, the crank 54, which is arranged in Fig. 2 in the area of the outer end of the drive shaft 56, can be provided on the inner end of the drive shaft 56 as an alternative.

## Claims

1. Method for adjusting a wiping angle ( $\varphi_1$ ,  $\varphi_2$ ) between a park position and a reversal position (28, 30) of a wiper lever (16, 18) of a windshield wiper system for a motor vehicle with at least one wiper lever (18) whose park position or reversal position (30) runs approximately parallel to an A pillar (14) of a vehicle body, which laterally delimits a windshield (10), wherein the wiping angle ( $\varphi_2$ ) is adjusted by means of an eccentric ball pivot (60), which is arranged on a free end of a driving crank (54) and connects the same to a motor crank (52) in an articulated manner by means of an articulated rod (42), while the other end of the driving crank (54) sits on a drive shaft (56) in a rotationally fixed manner, said drive shaft driving a fastening part (58) of the wiper lever (18), characterized in that the windshield wiper system is first mounted on the vehicle body without the eccentric ball pivot (60), that a rivet journal (64) of the eccentric ball pivot (60) is then inserted into a corresponding bore hole of the driving crank (54), that the optimum wiping angle ( $\varphi_2$ ) is determined and adjusted by modifying the effective radius (78) between an articulation axis (66) of the eccentric ball pivot (60) and an axis (76) of the drive shaft (56) by rotating the eccentric ball pivot (60) around an

axis (68) of the rivet journal (64), and that finally the rivet journal (64) is fixed in the driving crank (54) in the adjusted position.

2. Method according to Claim 1, characterized in that, after the wiping angle ( $\varphi_2$ ) is adjusted, the rivet journal (64) of the eccentric ball pivot (60) is stamped, caulked or riveted into the driving crank (54).
3. Method according to Claim 1 or 2, characterized in that the effective radius (78), with which the eccentric ball pivot (60) is adjusted by means of an adjusting and caulking device, is determined in a regulation loop on the basis of the tolerance position of the wiping angle ( $\varphi_2$ ) of wiper systems already installed in like motor vehicles and the tolerance position of individual parts of the wiper system.